



Consumer products

HCT-202108-02

Updated! EU REACH Annex XVII add a new restriction PFCAs

On August 5, 2021, the Official Journal of the European Union published the Revised Regulation (EU) 2021/1297 on its official website. This regulation amends Article 68 of the REACH Annex XVII Restricted Substance List, Perfluorocarboxylic acid C9-C14 PFCA, and its salts and related substances replace the PFOA which had been removed to the POPs regulation . This regulation shall enter into force on the 20th day following that of its publication in the Official Journal of the European Union. This regulation shall be binding in its entirety and directly applicable in all member states of the European Union.

In REACH Annex XVII, entry 68 is replaced by the following:

<p>68.</p> <p>Linear and branched perfluorocarboxylic acids of the formula $C_nF_{2n+1}-C(=O)OH$ where $n=8, 9, 10, 11, 12, \text{ or } 13$ (C9-C14 PFCAs), including their salts, and any combinations thereof;</p> <p>Any C9-C14 PFCA-related substance having a perfluoro group with the formula $C_nF_{2n+1}-$ directly attached to another carbon atom, where $n=8, 9, 10, 11, 12, \text{ or } 13$, including their salts and any combinations thereof;</p> <p>Any C9-C14 PFCA-related substance having a perfluoro group with the formula $C_nF_{2n+1}-$ that it is not directly attached to another carbon atom, where $n= 9, 10, 11, 12, 13 \text{ or } 14$ as one of the structural elements, including their salts and any combinations thereof.</p> <p>The following substances are excluded from this designation</p>	<ol style="list-style-type: none"> 1. Shall not be manufactured, or placed on the market as substances on their own from 25 February 2023. 2. Shall not, from 25 February 2023, be used in, or placed on the market in: <ol style="list-style-type: none"> (a) another substance, as a constituent; (b) a mixture; (c) an article, except if the concentration in the substance, the mixture, or the article is below 25 ppb for the sum of C9-C14 PFCAs and their salts or 260 ppb for the sum of C9-C14 PFCA-related substances. 3. By way of derogation to paragraph 2, the concentration limit shall be 10 ppm for the sum of C9-C14 PFCAs, their salts and C9-C14 PFCA related substances, where they are present in a substance to be used as a transported isolated intermediate, provided that the conditions in points (a) to (f) of Article 18(4) of this Regulation are met for the manufacturing of fluorochemicals with a perfluoro carbon chain length equal to or shorter than 6 atoms. The Commission shall review this limit no later than 25 August 2023. 4. Paragraph 2 shall apply from 4 July 2023 to : <ol style="list-style-type: none"> (i) textiles for oil- and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety; (ii) the manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of :
---	--



HONGCAI TESTING

-C_nF_{2n+1}-X, where X= F, Cl, or Br
 where n=9, 10, 11, 12, 13 or 14,
 including any combinations
 thereof;
 -C_nF_{2n+1}-C(=O)OX' where n>13
 and X'=any group, including salts.

-high performance, corrosion resistant gas filter membranes,
 water filter membranes and membranes for medical textiles;
 - industrial waste heat exchanger equipment;
 - industrial sealants capable of preventing leakage of volatile
 organic compounds and PM 2.5 particulates.

5. By way of derogation to paragraph 2, the use of C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall be allowed until 4 July 2025 for:

- (i) photolithography or etch processes in semiconductor manufacturing;
- (ii) photographic coatings applied to films;
- (iii) invasive and implantable medical devices;
- (iv) fire-fighting foam for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems, including both mobile and fixed systems, subject to the following conditions:
 - fire-fighting foam that contains or may contain C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall not be used for training;
 - fire-fighting foam that contains or may contain C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall not be used for testing unless all releases are contained;
 - from 1 January 2023, uses of fire-fighting foam that contains or may contain C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall only be allowed to sites where all releases can be contained;
 - fire-fighting foam stockpiles that contain or may contain C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall be managed in accordance with Article 5 of Regulation (EU) 2019/1021.

6. Paragraph 2(c) shall not apply to articles placed on the market before 25 February 2023.

7. Paragraph 2 shall not apply to the can coating for pressurised metered-dose inhalers until 25 August 2028.

8. Paragraph 2 (c) shall apply from 31 December 2023 to:

- (a) semiconductors on their own;
- (b) semiconductors incorporated in semi-finished and finished



HONGCAI TESTING

electronic equipment.

9. Paragraph 2(c) shall apply from 31 December 2030 to semiconductors used in spare or replacement parts for finished electronic equipment placed on the market before 31 December 2023.

10. Until 25 August 2024, the concentration limit referred to in paragraph 2 shall be 2 000 ppb for the sum of C9-C14 PFCAs in fluoroplastics and fluoroelastomers that contain perfluoroalkoxy groups. From 25 August 2024, the concentration limit shall be 100 ppb for the sum of C9-C14 PFCAs, in fluoroplastics and fluoroelastomers that contain perfluoroalkoxy groups. All emissions of C9-C14 PFCAs during the manufacture and use of fluoroplastics and fluoroelastomers that contain perfluoroalkoxy groups shall be avoided and, if not possible, reduced as far as technically and practically possible. This derogation shall not apply to articles referred to in paragraph 2(c). The Commission shall review this derogation no later than 25 August 2024.

11. The concentration limit referred to in paragraph 2 shall be 1 000 ppb for the sum of C9-C14 PFCAs, where these are present in PTFE micro powders produced by ionising irradiation or by thermal degradation, as well as in mixtures and articles for industrial and professional uses containing PTFE micro powders. All emissions of C9-C14 PFCAs during the manufacture and use of PTFE micro powders shall be avoided and, if not possible, reduced as far as technically and practically possible. The Commission shall review this derogation no later than 25 August 2024.

12. For the purposes of this entry, C9-C14 PFCA-related substances are substances that, based on their molecular structure, are considered to have the potential to degrade or be transformed to C9-C14 PFCAs.

Original link:

https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv%3AOJ.L_.2021.282.01.0029.01.ENG&toc=OJ%3AL%3A2021%3A282%3ATOC



HONGCAI TESTING

Background:

On April ,2020, the European Union issued a draft amendment to REACH, intending to delete the PFOA limit requirements in entry 68 of REACH Annex XVII, and move the PFOA limit to the POPs regulations in June, 2020. When all parties believed that entry 68 of REACH Annex XVII would eventually be deleted, new restrictions were ushered in. On August 3, 2020, the European Commission submitted to the WTO Circular G/TBT/N/EU/731, intending to amend the requirements of Article 68 of Annex XVII of REACH about restriction of perfluorocarboxylic acids and derivatives.

HCT SOLUTION :

HCT reminds relevant companies to pay attention to the latest updates of regulations, understand the latest requirements of REACH Annex XVII, control the related perfluorocarboxylic acids and related substances in their products on time, better control the quality, and win the market.

HCT has a professional technical team and rich experience in the control of restricted substances. It can develop personalized solutions for customers and help companies cope with various technical barriers.

Contact us:

Shenzhen Hongcai testing technology co., LTD. (HCT)

Web: <http://www.hct-test.com/>

Hotline: 400-0066-989 T: (86) 755 8416666

Email: service@hct-test.com

Add: Building B,Tianji Industrial Park,Floor 1&2&3 No.30-9 Laiyin Road,
Xinsheng Community, Longgang Street, Longgang District, Shenzhen,
Guangdong,China

Statement: This publication is only educational and does not replace any legal requirements or applicable rules. Information included in the publication will not be revised. HCT does not guarantee that the content contained in the publication without any errors or will meet any particular performance or quality standards. If there is no consent of HCT in advance, please do not quote or refer any information contained in this publication.